

## Claims

### WHAT IS CLAIMED IS:

1. A support apparatus for supporting at least a portion of a patient's limb during a procedure, said apparatus comprising:
  - a support having a surface for receiving at least a portion of the patient's limb thereon to support the limb during the procedure; and
  - a sensor mounted on the support such that the sensor is at least partially attached to the support without an adhesive, said sensor being adapted to communicate with the patient's limb for measuring a physiological parameter of the patient on the limb when the limb is supported by the support.
2. Apparatus in accordance with claim 1 wherein the surface has a contour generally corresponding to a portion of an arm of the patient's limb.
3. Apparatus in accordance with claim 1 wherein the surface has a contour generally corresponding to a portion of a hand of the patient's limb.
4. Apparatus in accordance with claim 1 wherein the sensor is mounted on the support generally adjacent the surface so the sensor is adapted to communicate with a portion of the patient's limb in contact with the surface during the procedure for measuring the physiological parameter of the patient on the limb.
5. Apparatus in accordance with claim 1 further comprising a restraint member on the support for restraining movement of at least a portion of the patient's limb during the procedure.
6. Apparatus in accordance with claim 1 wherein the sensor is selected from a group of sensors consisting of a temperature sensor, a pulse sensor, a blood pressure sensor, an electrocardiograph, and an oxygen saturation sensor.

7. A support apparatus for restraining movement of at least a portion of a patient's limb during a procedure, said apparatus comprising:

    a support for receiving at least a portion of the patient's limb thereon to support the limb during the procedure; and

    a restraint mounted on the support for engaging the limb to restrain movement of the limb, said restraint including a sensor adapted to communicate with the patient's limb for measuring a physiological parameter of the patient on the limb when the limb is received by the restraint.

8. Apparatus in accordance with claim 7 wherein the sensor is selected from a group of sensors consisting of a temperature sensor, a pulse sensor, a blood pressure sensor, an electrocardiograph, and an oxygen saturation sensor.

9. Apparatus in accordance with 7 wherein the restraint comprises a strap.

10. Apparatus in accordance with claim 9 wherein the strap is adapted to receive a portion of an arm of the patient's limb for restraining movement of the arm and for measuring the physiological parameter on the arm.

11. Apparatus in accordance with claim 9 wherein the strap is adapted to receive a portion of a hand of the patient's limb for restraining movement of the hand and for measuring the physiological parameter on the hand.

12. Apparatus in accordance with claim 7 wherein the restraint comprises a glove adapted to receive at least a portion of a hand of the patient's limb for restraining movement of the hand.

13. Apparatus in accordance with claim 12 wherein the glove comprises a first portion adapted to receive at least a portion of a first digit of the hand, and a second portion separate from the first portion and adapted to receive at least a portion of a second digit of the hand.

14. Apparatus in accordance with claim 12 wherein the glove includes a sleeve adapted to receive at least a portion of an arm of the patient's limb for restraining movement of the arm and for measuring the physiological parameter on the arm.

15. A support apparatus for restraining movement of at least a portion of a patient's limb during a procedure, said apparatus comprising:

a support for receiving at least a portion of the patient's limb thereon to support the limb during the procedure; and

a glove mounted on the support and adapted to receive at least a portion of a hand of the patient's limb, wherein said glove has a first portion adapted to receive at least a portion of a first digit of the hand, and a second portion separate from the first portion and adapted to receive at least a portion of a second digit of the hand.

16. Apparatus in accordance with claim 15 wherein a sleeve extends from the glove and is adapted to receive at least a portion of an arm of the patient's limb for restraining movement of the arm.

17. A glove assembly for measuring a physiological parameter of patient during a procedure, said assembly comprising:

a glove adapted to receive at least a portion a hand of the patient;

a sleeve extending from the glove and adapted to receive at least a portion of an arm of the patient, said sleeve adapted to extend beyond a wrist of the patient and along at least a portion of the arm when the arm is received by the sleeve; and

a sensor mounted on at least one of the glove and the sleeve, said sensor being adapted to communicate with the patient for measuring the physiological parameter when the arm is received by the sleeve.

18. A glove assembly in accordance with claim 17 wherein the sensor is selected from a group of sensors consisting of a temperature sensor, a pulse sensor, a blood pressure sensor, an electrocardiograph, and an oxygen saturation sensor.

19. A glove assembly in accordance with claim 17 wherein the glove has a first portion adapted to receive at least a portion of a first digit of the hand, and a second portion separate from the first portion and adapted to receive at least a portion of a second digit of the hand.

20. A glove assembly in accordance with claim 17 wherein the sensor is mounted on the sleeve and adapted to communicate with the patient's arm for measuring the physiological parameter on the arm.

21. A support apparatus for supporting at least a portion of a patient's limb during a procedure, said apparatus comprising:

a support having a surface for receiving at least a portion of the patient's limb thereon to support the limb during the procedure; and

a sensor mounted on the support and including a measuring region facing away from the support surface for engaging the patient's limb when received by the support for measuring a physiological parameter of the patient.

22. Apparatus in accordance with claim 21 wherein the surface has a contour generally corresponding to a portion of an arm of the patient's limb.

23. Apparatus in accordance with claim 21 wherein the surface has a contour generally corresponding to a portion of a hand of the patient's limb.

24. Apparatus in accordance with claim 21 further comprising a restraint on the support for restraining movement of at least a portion of the patient's limb during the procedure.

25. Apparatus in accordance with claim 21 wherein the sensor is selected from a group of sensors consisting of a temperature sensor, a pulse sensor, a blood pressure sensor, an electrocardiograph, and an oxygen saturation sensor.